

FORM PTO-1449

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1874.0040002APPLICATION NO.
09/653,352APPLICANT
HARVEY et al.FILING DATE
August 31, 2000GROUP
2152

2153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>PC</i>	AA7	6,014,136	01/11/2000	Ogasawara et al.		
<i>PC</i>	AB7	6,434,604	08/13/2002	Harada et al.		
	AC7					
	AD7					
	AE7					
	AF7					
	AG7					
	AH7					
	AI7					
	AJ7					
	AK7					

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7					Yes No
	AM7					Yes No
	AN7					Yes No
	AO7					Yes No
	AP7					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	Z	
AS	Z	
AT	Z	

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DATE CONSIDERED

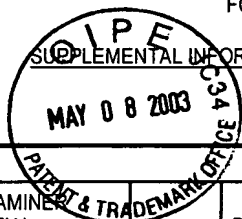
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA8					
	AB8					
	AC8					
	AD8					
	AE8					
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	AH8					
	AI8					
	AJ8					
	AK8					

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	AL8					Yes No
	AM8					Yes No
	AN8					Yes No
	AO8					Yes No
	AP8					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>KL</i>	AR	8	James Jung-Hoon Seo, "Active Worlds", March 13, 2000, < http://acg.media.mit.edu/people/jseo/courses/mas963/assign5-activeworlds.html > (visited March 11, 2003)
	AS	8	
	AT	8	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
KLG	AA1	5,021,976	06/1991	Wexelblat et al.	364	521	
	AB1	5,423,554	06/1995	Davis	273	437	
	AC1	5,515,078	05/1996	Greschler et al.	345	156	
	AD1	5,559,995	09/1996	Browning et al.	395	500	
	AE1	5,587,936	12/1996	Levitt et al.	364	578	
	AF1	5,588,104	12/1996	Lanier et al.	395	326	
	AG1	5,588,139	12/1996	Lanier et al.	395	500	
	AH1	5,633,993	05/1997	Redmann et al.	395	119	
	AI1	5,644,993	07/1997	Dohnalik	108	108	
	AJ1	5,679,075	10/1997	Forrest et al.	463	9	
	AK1	5,684,943	11/1997	Abraham et al.	395	173	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KLG	AR	1	Brewer, Stephen et al., "A New World of Animated Discussions: 3D Chat-See why online chats' new visual trappings are the talk of the town," Home PC, CMP Media, 1997, No. 403, p. 88.
	AS	1	Heid, Jim, "Face-to-face online," Macworld, Macworld Communications Inc., Vol. 14, No. 1, p. 146, January 1997.
	AT	1	Iworld-ZDNet Offers Virtual Reality on the Web, Newsbytes Inc., November 3, 1995.

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DATE CONSIDERED 2/10/04

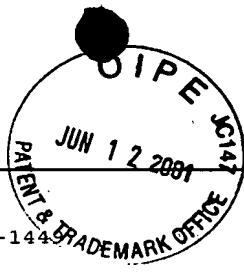
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>K</i>	AA2	5,696,892	12/1997	Redmann et al.	395	125	
	AB2	5,704,837	01/1998	Iwasaki et al.	463	38	
	AC2	5,732,232	03/1998	Brush, II et al.	395	339	
	AD2	5,736,982	04/1998	Suzuki et al.	345	330	
	AE2	5,755,620	05/1998	Yamamoto et al.	463	34	
	AF2	5,784,570	07/1998	Funkhouser	395	200.77	
	AG2	5,793,382	08/1998	Yerazunis et al.	345	474	
	AH2	5,815,156	09/1998	Takeuchi	345	419	
	AI2	5,827,120	10/1998	Kikuchi et al.	463	40	
	AJ2	5,846,134	12/1998	Latypov	463	46	
	AK2	5,852,672	12/1998	Lu	382	154	

FOREIGN PATENT DOCUMENTS

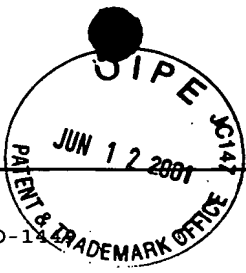
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>K</i>	AR	2	New Dimension for 3D chat, Home PC, CMP Media, No. 405, p. 27, 1997
<i>K</i>	AS	2	The Client side of Virtual Worlds (Immersive Systems, Knowledge Adventure Worlds, Apple's QuickTime VR desktop video software, Virtual Games' Stim-Slum computer game), Release 1.0, Edventure Holdings Inc., Vol. 94, No. 6, p. 12 (7), June 27, 1994.
<i>K</i>	AT	2	D'Amico, Marie, "Who wants to live in cyberspace? Virtual world developers bet we all do (virtual worlds are not useful nor valuable)," Digital Media, Seybold Publications, Inc., Vol. 5, No. 2, p. 9 (4), July 3, 1995.

EXAMINER *KRISNA LIM*DATE CONSIDERED *2/10/04*

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FORM PTO-14

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>K</i>	AA3	5,874,956	02/1999	LaHood	345	339	
	AB3	5,880,731	03/1999	Liles et al.	345	349	
	AC3	5,884,029	03/1999	Brush, II et al.	395	200.32	
	AD3	5,903,395	05/1999	Rallison et al.	359	630	
	AE3	5,903,396	05/1999	Rallison	359	630	
	AF3	5,907,328	05/1999	Brush II et al.	345	358	
	AG3	5,913,727	06/1999	Ahdoot	463	39	
	AH3	5,919,045	07/1999	Tagge et al.	434	62	
	AI3	5,926,179	07/1999	Matsuda et al.	345	355	
	AJ3	5,926,400	07/1999	Kytile et al.	364	578	
	AK3	5,947,823	09/1999	Nimura	463	32	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL3						Yes No
	AM3						Yes No
	AN3						Yes No
	AO3						Yes No
	AP3						Yes No

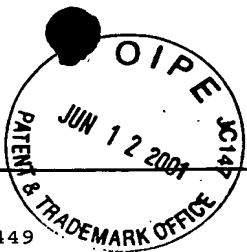
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<i>K</i>	AR	3	Vallina, Joe, "This "3D" Hunting Game Takes 1 Step Forward, 10 Steps Back," Computer Gaming World, Golden Empire Publications, Inc., No. 172, p. 299 (1), November 1998.
<i>K</i>	AS	3	Virtools to Launch 3D Games Development Tool, Computergram International, Computerwire, Inc., No. 126, June 25, 1998.
<i>K</i>	AT	3	Gabriel Knight 3 (Sierra Online's adventure game) (Software Review) (Evaluation), Computer Gaming World, Golden Empire Publications, Inc., p. 62 (1), June 1999.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>K</i>	AA4	5,951,015	09/1999	Smith et al.	273	358	
	AB4	5,956,038	09/1999	Rekimoto	345	419	
	AC4	5,966,129	10/1999	Matsukuma et al.	345	418	
	AD4	5,966,130	10/1999	Benman, Jr.	345	418	
	AE4	5,980,256	11/1999	Carmein	434	55	
	AF4	5,982,372	11/1999	Brush, II et al.	345	418	
	AG4	5,982,390	11/1999	Stoneking et al.	345	474	
	AH4	5,983,003	11/1999	Lection et al.	395	200.32	
	AI4	5,999,641	12/1999	Miller et al.	382	154	
	AJ4	5,999,944	12/1999	Lipkin	707	104	
	AK4	6,001,065	12/1999	DeVito	600	544	

FOREIGN PATENT DOCUMENTS

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	AM4						Yes No
	AN4						Yes No
	AO4						Yes No
	AP4						Yes No

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>K</i>	AR	<u>4</u>	Joch, Alan, "Enterprises now donning 3-D glasses: 3-D interfaces move to handle corporate e-biz (Technology Information)," PC Week, Ziff-Davis Publishing Company, p. 59, November 8, 1999.
<i>K</i>	AS	<u>4</u>	Krista Ostertag, "3D tools for virtual worlds," Varbusiness, CMP Media, No. 1203, p. 24, 1996.
<i>K</i>	AT	<u>4</u>	Gordon Brockhouse, "3D Explodes!- New 3D video accelerators and sound cards can add mind-blowing realism to your games," Home PC, CMP Media, No. 503, p. 64, 1998.

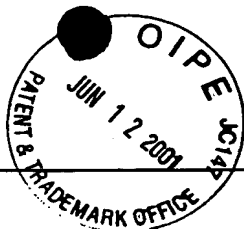
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<i>K</i>	AA5	6,009,458	12/1999	Hawkins et al.	709	203	
	AB5	6,009,460	12/1999	Ohno et al.	709	204	
	AC5	6,011,558	01/2000	Hsieh et al.	345	435	
	AD5	6,014,142	01/2000	LaHood	345	355	
	AE5	6,020,885	02/2000	Honda	345	332	
	AF5	6,020,891	02/2000	Rekimoto	345	419	
	AG5	6,023,270	02/2000	Brush, II et al.	345	333	
	AH5	6,024,643	02/2000	Begis	463	42	
	AI5	6,028,584	02/2000	Chiang et al.	345	118	
	AJ5	6,031,549	02/2000	Hayes-Roth	345	474	
	AK5	6,034,692	03/2000	Gallery et al.	345	427	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL5						Yes No
	AM5						Yes No
	AN5						Yes No
	AO5						Yes No
	AP5						Yes No

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<i>K</i>	AR	<u>5</u>	Leibe, B., et al., "The Perceptive Workbench: Toward spontaneous and natural interaction in semi-immersive virtual environments," Proceedings IEEE Virtual Reality 2000, IEEE, pp. 13-20, March 18-22, 2000.
<i>K</i>	AS	<u>5</u>	Greenhalgh, C., et al., "Creating a live broadcast from a virtual environment," Proceedings of SIGGRAPH 99: 26 th International Conference on Computer Graphics and Interactive Techniques, IEEE, August 8-13, 1999.
<i>K</i>	AT	<u>5</u>	Kaplan, F., et al., "Growing virtual communities in 3D meeting spaces," Virtual Worlds First International Conference, VW '98 Proceedings, IEEE, July 1-3, 1998, (Abstract).

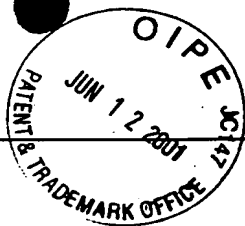
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<i>KR</i>	AA6	6,040,841	03/2000	Cohen et al.	345	473	
<i>KR</i>	AB6	6,040,842	03/2000	Wavish et al.	345	473	
	AC6	6,052,114	04/2000	Morifuji	345	158	
	AD6	6,054,991	04/2000	Crane et al.	345	420	
	AE6	6,055,563	04/2000	Endo et al.	709	203	
	AF6	6,057,810	05/2000	Roell et al.	345	8	
	AG6	6,057,828	05/2000	Rosenberg et al.	345	156	
	AH6	6,057,856	05/2000	Miyashita et al.	345	435	
	AI6	6,072,466	06/2000	Shah et al.	345	156	
	AJ6	6,072,478	06/2000	Kurihara et al.	345	302	
	AK6	6,073,115	06/2000	Marshall	705	35	

FOREIGN PATENT DOCUMENTS

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	AL6						Yes No
	AM6						Yes No
	AN6						Yes No
	AO6						Yes No
	AP6						Yes No

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>KR</i>	AR	<u>6</u>	Kyoya, T., et al., "A 3D game with force feedback in a virtual space-virtual Tower of Hanoi," Journal of the Institute of Television Engineers of Japan, IEEE, Vol. 49, No. 10, pp. 1347-1352, October 1995, (Abstract).
<i>KR</i>	AS	<u>6</u>	Vacca, John R., "3D worlds on the Web," Computer Graphics World, Pennwell Publishing Company, Vol. 19, No. 5, p. 43 (6), May 1996.
<i>KR</i>	AT	<u>6</u>	Feiner, Steven K., "Research in 3D user interface design at Columbia University," Feiner@cs.columbia.edu.

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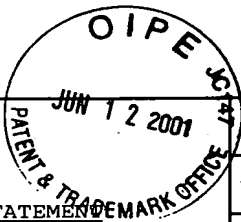
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	AM7						Yes No
	AN7						Yes No
	AO7						Yes No
	AP7						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	7	Visual Interface, Inc., "The Future of 3D Imaging."
	AS	7	Mohageg, Mike, et al., "A user interface for accessing 3D content on the World Wide Web."
	AT	7	Patent Application No. 09/653,276; Specification and Figures 1-14 from Method, System and Computer Program Product for Providing a Two-Dimensional Interface to a Three-Dimensional World, Harvey, William et al.

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